Refine Search

Your wildcard search against 10000 terms has yielded the results below.
Your result set for the last L# is incomplete.
The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Search Results -

Terms	Documents
L1 and (xml same tag$)	1

Database:
- US Pre-Grant Publication Full-Text Database
- **US Patents Full-Text Database**
- US OCR Full-Text Database
- EPO Abstracts Database
- JPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

Search:
```
L5
```

[Refine Search]

[Recall Text ⬍]   [Clear]   [Interrupt]

Search History

DATE: Saturday, September 11, 2004   Printable Copy   Create Case

Set Name	Query	Hit Count	Set Name
side by side			result set
	DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
L5	L1 and (xml same tag$)	1	L5
L4	L1 and xml	3	L4
L3	L1 and (meta$ same (pars$ or contract$))	2	L3
L2	L1 and contract$	3	L2
L1	6640145.pn. or 6591272.pn. or 5970490.pn.	3	L1

END OF SEARCH HISTORY

h   e b   b c

☐ ▓ Generate Collection ▓ | Print |

L5: Entry 1 of 1   File: USPT   Oct 19, 1999

DOCUMENT-IDENTIFIER: US 5970490 A
TITLE: Integration platform for heterogeneous databases

Detailed Description Text (459):
This MetaFrame indicates that an ORDER consists of an ID, the last and first names
of the Person to whom the order is sold, the Date sold, and a list of multiple
ITEMS--each of which has a PRICE and is either a Book, a Record, or Coffee--
alternation ".vertline." on the right hand side of a substructure expression means
exclusive "OR". The ID is a named attribute inside a XML tag.

45: 65
46: 5

h   e b   b g e e e f   c   e h e   e ge

Refine Search

Your wildcard search against 10000 terms has yielded the results below.
Your result set for the last L# is incomplete.
The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.
Search Results -

Terms	Documents
L1 and ((distribut$ or get$ or receiv$) with (rule or condition))	2

Database:

```
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins
```

Search:

```
L1 and contract
```

[Refine Search]

[Recall Text]   [Clear]   [Interrupt]

Search History

DATE: Saturday, September 11, 2004   Printable Copy   Create Case

Set Name	Query	Hit Count	Set Name
side by side			result set
	DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
L10	L1 and ((distribut$ or get$ or receiv$) with (rule or condition))	2	L10
L9	L1 and (receiv$ same (rule or condition))	1	L9
L8	L1 and (receiv$ with (rule or condition))	1	L8
L7	L1 and (login$ or register$)	3	L7
L6	L1 and (log$ or register$)	3	L6
L5	L1 and pars$	2	L5
L4	L1 and tag$	3	L4
L3	L2 and xml	3	L3
L2	6640145.pn. or 6591272.pn. or 5970490.pn.	3	L2
L1	6640145.pn. or 6591272.pn. or 5970490.pn.	3	L1

END OF SEARCH HISTORY

h   e b   b cg b   e e ch

A

Indigo InstantNotifier™

The Indigo InstantNotifier™ solution was designed to meet the needs of an eclectic breed of customers ranging from enterprises to content providers. It answers the critical issues of mobility and device independence faced by today's workforce as well as those of the everyday consumer. The InstantNotifier is presence-enabled, whereby inconstant yet critical information such as recipient availability is collected and maintained by presence-capable applications and can be used to facilitate the instant delivery of crucial data ranging from security alerts to stock quotes to job opportunities, onto to the device currently in use by the recipient.

Consequently, the Indigo InstantNotifier™ solution allows enterprises or content providers to deal with their staff or customers' mobility without interrupting critical information delivery. By providing intelligent content routing, the solution eliminates multiple and possibly useless deliveries of volatile information, significantly reducing cost of transport while alleviating recipients' stress of remaining anchored to a particular device.

Related products :
Indigo Presence Server & SDK

More info :
Product Information Form

L1: Entry 1 of 3   File: USPT   Oct 28, 2003

US-PAT-NO: 6640145
DOCUMENT-IDENTIFIER: US 6640145 B2

TITLE: Media recording device with packet data interface

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffberg; Steven	West Harrison	NY	10604	
Hoffberg-Borghesani; Linda	Acton	MA	01720	

APPL-NO: 10/ 162079   [PALM]
DATE FILED: June 3, 2002

PARENT-CASE:
The present application is a continuation of U.S. patent application Ser. No.
09/241,135, filed Feb. 1, 1999, now issued as U.S. Pat. No. 6,400,996, issued Jun.
4, 2002.

INT-CL: [07] G05 B 15/00

US-CL-ISSUED: 700/83; 700/17, 700/23, 700/19, 709/200, 709/201, 709/202, 704/200,
704/201, 704/7
US-CL-CURRENT: 700/83; 700/17, 700/19, 700/23, 704/200, 704/201, 704/7, 709/200,
709/201, 709/202

FIELD-OF-SEARCH: 700/17, 700/18, 700/19, 700/23-25, 700/83, 700/86-87, 370/218,
370/219, 370/220, 370/355, 370/356, 704/378, 704/100-102, 704/200-201, 704/227,
704/223, 704/224, 345/157, 345/810, 345/835, 345/840, 345/841, 345/741, 709/200,
709/201, 709/202

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL | Clear

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐ 3609684	September 1971	Lipp	340/146.3C
☐ 3849760	November 1974	Endou et al.	340/146.3H
☐ 3928719	December 1975	Sasabe et al.	178/6.8
☐ 3967241	June 1976	Kawa	340/146.3H

☐	3993976	November 1976	Ginsburg	340/146.3P
☐	4025851	May 1977	Haselwood et al.	325/31
☐	4100370	July 1978	Suzuki et al.	179/1SB
☐	4117511	September 1978	Baer et al.	358/83
☐	4118730	October 1978	Lemelson	358/93
☐	4148061	April 1979	Lemelson	358/101
☐	4203076	May 1980	Yamashita	331/25
☐	4208652	June 1980	Marshall	340/146.3Y
☐	4213183	July 1980	Barron et al.	364/507
☐	4225850	September 1980	Chang et al.	340/146.3E
☐	4228421	October 1980	Asada	340/146.3MA
☐	4230990	October 1980	Lert, Jr. et al.	455/67
☐	4244043	January 1981	Fujita et al.	368/85
☐	4245245	January 1981	Matsumoto et al.	358/122
☐	4264924	April 1981	Freeman	358/86
☐	4264925	April 1981	Freeman et al.	358/86
☐	4298889	November 1981	Burianek et al.	358/148
☐	4305131	December 1981	Best	364/521
☐	4331974	May 1982	Cogswell et al.	358/86
☐	4337529	June 1982	Morokawa	368/10
☐	4338626	July 1982	Lemelson	358/93
☐	4346407	August 1982	Baer et al.	358/149
☐	4390904	June 1983	Johnston et al.	358/335
☐	4395780	July 1983	Gohm et al.	455/607
☐	4417246	November 1983	Agnor et al.	340/825.44
☐	4420769	December 1983	Novak	358/139
☐	4439788	March 1984	Frame	358/213
☐	4450531	May 1984	Kenyon et al.	364/604
☐	4451825	May 1984	Hall et al.	340/750
☐	4476584	October 1984	Dages	455/182
☐	4486832	December 1984	Haubner et al.	364/200
☐	4499601	February 1985	Matthews	455/166
☐	4506301	March 1985	Kingsley et al.	358/280
☐	4511918	April 1985	Lemelson	358/107
☐	4519086	May 1985	Hull et al.	375/120
☐	4535453	August 1985	Rhodes et al.	370/110.1
☐	4546382	October 1985	McKenna et al.	358/84
	4546387	October 1985	Glaab	358/186

☐				
☐	4547899	October 1985	Nally et al.	382/7
☐	4558464	December 1985	O'Brien, Jr.	455/4
☐	4573072	February 1986	Freeman	358/8
☐	4575755	March 1986	Schoeneberger et al.	358/120
☐	4581762	April 1986	Lapidus et al.	382/22
☐	4593367	June 1986	Slack et al.	364/513
☐	4602279	July 1986	Freeman	358/86
☐	4603349	July 1986	Robbins	358/86
☐	4621285	November 1986	Schilling et al.	358/120
☐	4646250	February 1987	Childress	364/518
☐	4653109	March 1987	Lemelson et al.	382/34
☐	4658370	April 1987	Erman et al.	395/76
☐	4658429	April 1987	Orita et al.	382/36
☐	4672683	June 1987	Matsueda	382/57
☐	4677466	June 1987	Lert, Jr. et al.	358/84
☐	4679137	July 1987	Lane et al.	
☐	4682365	July 1987	Orita et al.	382/14
☐	4695975	September 1987	Bedrij	395/147
☐	4697209	September 1987	Kiewit et al.	358/84
☐	4706121	November 1987	Young	358/142
☐	4716404	December 1987	Tabata et al.	340/723
☐	4739398	April 1988	Thomas et al.	358/84
☐	4745549	May 1988	Hashimoto	364/402
☐	4747148	May 1988	Watanabe et al.	382/10
☐	4752890	June 1988	Natarajan et al.	364/513
☐	4760604	July 1988	Cooper et al.	382/15
☐	4764973	August 1988	O'Hair	382/14
☐	4769697	September 1988	Gilley et al.	358/84
☐	4771467	September 1988	Catros et al.	382/6
☐	4773024	September 1988	Faggin et al.	395/20
☐	4774677	September 1988	Buckley	364/513
☐	4775935	October 1988	Yourick	364/401
☐	4780759	October 1988	Matsushima et al.	358/148
☐	4783741	November 1988	Mitterauer	364/413.01
☐	4783752	November 1988	Kaplan et al.	395/64
☐	4783754	November 1988	Bauck et al.	364/513.5
	4783829	November 1988	Miyakawa et al.	382/22

☐

☐ 4789933	December 1988	Chen et al.	364/413.13
☐ 4799270	January 1989	Kim et al.	382/27
☐ 4802103	January 1989	Faggin et al.	395/24
☐ 4802230	January 1989	Horowitz	382/22
☐ 4803736	February 1989	Grossberg et al.	382/22
☐ 4805224	February 1989	Koezuka et al.	382/8
☐ 4805225	February 1989	Clark	382/15
☐ 4809331	February 1989	Holmes	381/41
☐ 4817171	March 1989	Stentiford	382/19
☐ 4817176	March 1989	Marshall et al.	382/43
☐ 4829453	May 1989	Katsuta et al.	364/521
☐ 4831659	May 1989	Miyaoka et al.	382/56
☐ 4837842	June 1989	Holt	382/26
☐ 4841575	June 1989	Welsh et al.	381/36
☐ 4843562	June 1989	Kenyon et al.	364/487
☐ 4843631	June 1989	Steinpichler et al.	382/43
☐ 4845610	July 1989	Parvin	364/200
☐ 4847698	July 1989	Freeman	358/343
☐ 4847699	July 1989	Freeman	358/343
☐ 4847700	July 1989	Freeman	358/343
☐ 4862015	August 1989	Grandfield	730/270
☐ 4876731	October 1989	Loris et al.	382/40
☐ 4878179	October 1989	Larsen et al.	364/490
☐ 4881270	November 1989	Knecht et al.	382/17
☐ 4884217	November 1989	Skeirik et al.	395/66
☐ 4887304	December 1989	Terzian	382/30
☐ 4888814	December 1989	Yamaguchi et al.	382/21
☐ 4891762	January 1990	Chotiros	364/456
☐ 4893346	January 1990	Bishop	382/8
☐ 4894734	January 1990	Fischler et al.	360/51
☐ 4902986	February 1990	Lesmeister	331/25
☐ 4905162	February 1990	Hartzband et al.	364/513
☐ 4905163	February 1990	Garber et al.	364/513
☐ 4905286	February 1990	Sedgwick et al.	381/43
☐ 4906940	March 1990	Greene et al.	382/16
☐ 4908713	March 1990	Levine	358/335
4908758	March 1990	Sanders	364/300

☐

☐	4912433	March 1990	Motegi et al.	331/8
☐	4912648	March 1990	Tyler	364/513
☐	4914708	April 1990	Carpenter et al.	382/14
☐	4918516	April 1990	Freeman	358/86
☐	4920499	April 1990	Skeirik	395/12
☐	4930160	May 1990	Vogel	380/23
☐	4931926	June 1990	Tanaka et al.	364/419
☐	4931985	June 1990	Glaise et al.	364/900
☐	4941193	July 1990	Barnsley et al.	382/56
☐	4944023	July 1990	Imao et al.	382/37
☐	4949187	August 1990	Cohen	358/335
☐	4954824	September 1990	Yamada et al.	341/61
☐	4956870	September 1990	Hara	382/30
☐	4958220	September 1990	Alessi et al.	358/76
☐	4958375	September 1990	Reilly et al.	382/14
☐	4963994	October 1990	Levine	358/335
☐	4964077	October 1990	Eisen et al.	364/900
☐	4965725	October 1990	Rutenberg	364/413.1
☐	4967273	October 1990	Greenberg	358/142
☐	4972499	November 1990	Kurosawa	382/38
☐	4977455	December 1990	Young	358/142
☐	4979222	December 1990	Weber	382/6
☐	4982344	January 1991	Jordan	364/521
☐	4984255	January 1991	Davis et al.	375/106
☐	4987604	January 1991	Rouch	382/8
☐	4989256	January 1991	Buckley	382/15
☐	4989258	January 1991	Takahashi et al.	382/37
☐	4992940	February 1991	Dworkin	364/401
☐	4992972	February 1991	Brooks et al.	364/900
☐	4995078	February 1991	Monslow et al.	380/10
☐	4998286	March 1991	Tsujiuchi et al.	382/34
☐	5012334	April 1991	Etra	358/102
☐	5014219	May 1991	White	364/513
☐	5014327	May 1991	Potter et al.	382/14
☐	5018169	May 1991	Wong et al.	375/119
☐	5018218	May 1991	Peregrim et al.	382/22
	5018219	May 1991	Matsuzaki et al.	382/37

☐			
☐ 5019899	May 1991	Boles et al.	358/84
☐ 5020112	May 1991	Chou	382/37
☐ 5020113	May 1991	Lo et al.	382/42
☐ 5021976	June 1991	Wexelblat et al.	364/521
☐ 5022062	June 1991	Annis	378/86
☐ 5025310	June 1991	Sekiya et al.	358/19
☐ 5027400	June 1991	Baji et al.	380/20
☐ 5028888	July 1991	Ray	331/57
☐ 5031224	July 1991	Mengel et al.	382/10
☐ 5031228	July 1991	Lu	382/38
☐ 5033101	July 1991	Sood	382/30
☐ 5034991	July 1991	Hagimae et al.	382/30
☐ 5038379	August 1991	Sano	382/1
☐ 5038390	August 1991	Chandran	382/56
☐ 5040134	August 1991	Park	364/602
☐ 5041967	August 1991	Ephrath et al.	
☐ 5043881	August 1991	Hamazaki	
☐ 5046113	September 1991	Hoki	382/8
☐ 5047867	September 1991	Strubbe et al.	358/335
☐ 5048095	September 1991	Bhanu et al.	382/9
☐ 5048100	September 1991	Kuperstein	382/36
☐ 5051817	September 1991	Takano	358/22
☐ 5051998	September 1991	Murai et al.	371/39.1
☐ 5052045	September 1991	Peregrim et al.	382/30
☐ 5054101	October 1991	Prakash	382/50
☐ 5058183	October 1991	Schmidt et al.	382/30
☐ 5058184	October 1991	Fukushima	382/37
☐ 5060277	October 1991	Bokser	382/14
☐ 5060278	October 1991	Fukumizu	382/14
☐ 5063601	November 1991	Hayduk	382/14
☐ 5063602	November 1991	Peppers et al.	382/32
☐ 5063603	November 1991	Burt	382/37
☐ 5065440	November 1991	Yoshida et al.	382/30
☐ 5065447	November 1991	Barnsley et al.	382/56
☐ 5067160	November 1991	Omata et al.	382/1
☐ 5067161	November 1991	Mikami et al.	382/1
5067162	November 1991	Driscoll, Jr. et al.	382/5

☐				
☐	5067164	November 1991	Denker et al.	382/15
☐	5067166	November 1991	Ito	382/37
☐	5068664	November 1991	Appriou et al.	342/90
☐	5068723	November 1991	Dixit et al.	358/133
☐	5068724	November 1991	Krause et al.	358/133
☐	5068744	November 1991	Ito	358/310
☐	5075771	December 1991	Hashimoto	358/84
☐	5076662	December 1991	Shih et al.	359/36
☐	5086385	February 1992	Launey et al.	700/83
☐	5089978	February 1992	Lipner et al.	364/551.01
☐	5099422	March 1992	Foresman et al.	364/401
☐	5103498	April 1992	Lanier et al.	395/68
☐	5109431	April 1992	Nishiya et al.	382/30
☐	5111516	May 1992	Nakano et al.	382/14
☐	5115501	May 1992	Kerr	395/600
☐	5119475	June 1992	Smith et al.	395/156
☐	5119507	June 1992	Mankovitz	455/154.1
☐	5122886	June 1992	Tanaka	358/335
☐	5123046	June 1992	Levine	380/10
☐	5123057	June 1992	Verly et al.	382/37
☐	5123087	June 1992	Newell et al.	395/155
☐	5124908	June 1992	Broadbent	364/188
☐	5128525	July 1992	Stearns et al.	235/454
☐	5130792	July 1992	Tindell et al.	358/85
☐	5132992	July 1992	Yurt et al.	375/122
☐	5133021	July 1992	Carpenter et al.	382/15
☐	5133079	July 1992	Ballantyne et al.	455/4.1
☐	5134719	July 1992	Mankovitz	455/154.1
☐	5136659	August 1992	Kaneko et al.	382/16
☐	5136696	August 1992	Beckwith et al.	395/375
☐	5148497	September 1992	Pentland et al.	382/54
☐	5148522	September 1992	Okazaki	395/161
☐	5151789	September 1992	Young	358/194.1
☐	5155591	October 1992	Wachob	358/86
☐	5159474	October 1992	Franke et al.	359/29
☐	5161204	November 1992	Hutcheson et al.	382/16
	5168529	December 1992	Peregrim et al.	382/48

□

□	5170466	December 1992	Rogan et al.	
□	5173949	December 1992	Peregrim et al.	382/48
□	5177796	January 1993	Feig et al.	382/56
□	5179652	January 1993	Rozmanith et al.	395/155
□	5187788	February 1993	Marmelstein	
□	5187797	February 1993	Nielsen et al.	395/800
□	5189630	February 1993	Barstow et al.	364/514
□	5192999	March 1993	Graczyk et al.	358/85
□	5200822	April 1993	Bronfin et al.	358/142
□	5202828	April 1993	Vertelney et al.	364/419
□	5214504	May 1993	Toriu et al.	358/105
□	5220420	June 1993	Hoarty et al.	358/86
□	5220640	June 1993	Frank	395/2
□	5220648	June 1993	Sato	395/146
□	5220674	June 1993	Morgan et al.	
□	5222155	June 1993	Delanoy et al.	382/30
□	5223924	June 1993	Strubbe	358/86
□	5231494	July 1993	Wachob	358/146
□	RE34340	August 1993	Freeman	358/86
□	5239617	August 1993	Gardner et al.	395/12
□	5241620	August 1993	Ruggiero	395/22
□	5241645	August 1993	Cimral et al.	395/500
□	5247347	September 1993	Litteral et al.	358/85
□	5247433	September 1993	Kitaura et al.	364/188
□	5247651	September 1993	Clarisse	395/500
□	5253061	October 1993	Takahama et al.	358/160
□	5255386	October 1993	Prager	395/600
□	5259038	November 1993	Sakou et al.	382/14
□	5261081	November 1993	White et al.	395/550
□	5263167	November 1993	Conner, Jr. et al.	395/700
□	5263174	November 1993	Layman	395/800
□	5274714	December 1993	Hutcheson et al.	382/15
□	5276737	January 1994	Micali	380/30
□	5280530	January 1994	Trew et al.	382/1
□	5283641	February 1994	Lemelson	348/92
□	5283819	February 1994	Glick et al.	379/90
	5291068	March 1994	Rammel et al.	307/116

☐

☐	5297204	March 1994	Levine	380/10
☐	5297249	March 1994	Bernstein et al.	395/156
☐	5298674	March 1994	Yun	84/616
☐	5303313	April 1994	Mark et al.	382/56
☐	5305197	April 1994	Axler et al.	364/401
☐	5307421	April 1994	Darboux et al.	382/8
☐	5317647	May 1994	Pagallo	382/14
☐	5317677	May 1994	Dolan et al.	395/77
☐	5329611	July 1994	Pechanek et al.	395/27
☐	5343251	August 1994	Nafeh	348/571
☐	5347600	September 1994	Barnsley et al.	382/56
☐	5347632	September 1994	Filepp et al.	395/200
☐	5349670	September 1994	Agrawal et al.	395/775
☐	5351078	September 1994	Lemelson	348/135
☐	5357276	October 1994	Banker et al.	348/7
☐	5365282	November 1994	Levine	348/734
☐	5373330	December 1994	Levine	348/734
☐	5381158	January 1995	Takahara et al.	345/156
☐	5384867	January 1995	Barnsley et al.	382/56
☐	5388198	February 1995	Layman et al.	395/155
☐	5390125	February 1995	Sennott et al.	364/449
☐	5390281	February 1995	Luciw et al.	395/12
☐	5396546	March 1995	Remillard	379/96
☐	5401946	March 1995	Weinblatt	235/381
☐	5410343	April 1995	Coddington et al.	348/7
☐	5410344	April 1995	Graves et al.	348/1
☐	5410643	April 1995	Yomdin et al.	395/120
☐	5412773	May 1995	Carlucci et al.	395/156
☐	5414756	May 1995	Levine	379/67
☐	5420647	May 1995	Levine	348/734
☐	5420975	May 1995	Blades et al.	395/156
☐	5421008	May 1995	Banning et al.	395/600
☐	5425100	June 1995	Thomas et al.	380/20
☐	5425890	June 1995	Yudin et al.	252/67
☐	5428727	June 1995	Kurosu et al.	395/147
☐	5430552	July 1995	O'Callaghan	358/335
	5430812	July 1995	Barnsley et al.	382/235

☐			
☐ 5434966	July 1995	Nakazawa et al.	395/161
☐ 5436653	July 1995	Ellis et al.	348/2
☐ 5440400	August 1995	Micheron et al.	358/335
☐ 5444499	August 1995	Saitoh	348/734
☐ 5446891	August 1995	Kaplan et al.	395/600
☐ 5446919	August 1995	Wilkins	455/6.2
☐ 5450490	September 1995	Jensen et al.	380/6
☐ 5455892	October 1995	Minot et al.	395/23
☐ 5459517	October 1995	Kunitake et al.	348/416
☐ 5465204	November 1995	Sekine et al.	364/152
☐ 5465308	November 1995	Hutcheson et al.	382/159
☐ 5465358	November 1995	Blades et al.	395/700
☐ 5469206	November 1995	Strubbe et al.	348/7
☐ H1506	December 1995	Beretta	345/199
☐ 5477262	December 1995	Banker et al.	348/7
☐ 5477447	December 1995	Luciw et al.	364/419.08
☐ 5479264	December 1995	Ueda et al.	358/335
☐ 5481712	January 1996	Silver et al.	395/700
☐ 5483278	January 1996	Strubbe et al.	348/7
☐ 5485219	January 1996	Woo	348/460
☐ 5485518	January 1996	Hunter et al.	380/20
☐ 5487132	January 1996	Cheng	395/63
☐ 5488409	January 1996	Yuen et al.	348/5
☐ 5495537	February 1996	Bedrosian et al.	382/209
☐ 5496177	March 1996	Collia et al.	434/118
☐ 5500741	March 1996	Baik et al.	358/335
☐ 5500920	March 1996	Kupiec	395/2.84
☐ 5502774	March 1996	Bellegarda et al.	382/159
☐ 5504518	April 1996	Ellis et al.	348/2
☐ 5506768	April 1996	Seem et al.	364/161
☐ 5508815	April 1996	Levine	358/335
☐ 5510838	April 1996	Yomdin et al.	348/384
☐ 5511153	April 1996	Azarbayejani et al.	395/119
☐ 5515098	May 1996	Carles	348/8
☐ 5515972	May 1996	Shames	
☐ 5519452	May 1996	Parulski	348/620
5521841	May 1996	Arman et al.	

☐				
☐	5521984	May 1996	Denenberg et al.	382/209
☐	5523796	June 1996	Marshall et al.	348/589
☐	5524065	June 1996	Yagasaki	382/226
☐	5526127	June 1996	Yonetani et al.	358/335
☐	5526479	June 1996	Barstow et al.	395/152
☐	5534911	July 1996	Levitan	348/1
☐	5535302	July 1996	Tsao	395/21
☐	5535321	July 1996	Massaro et al.	395/153
☐	5537141	July 1996	Harper et al.	348/12
☐	5537528	July 1996	Takahashi et al.	395/154
☐	5541638	July 1996	Story	348/7
☐	5544254	August 1996	Hartley et al.	382/108
☐	5544358	August 1996	Capps et al.	395/600
☐	5546518	August 1996	Blossom et al.	395/152
☐	5550928	August 1996	Lu et al.	382/116
☐	5550965	August 1996	Gabbe et al.	
☐	5552833	September 1996	Henmi et al.	348/460
☐	5553277	September 1996	Hirano et al.	395/600
☐	5554983	September 1996	Kitamura et al.	340/937
☐	5555495	September 1996	Bell et al.	364/148
☐	5557728	September 1996	Garrett et al.	395/157
☐	5559548	September 1996	Davis et al.	348/6
☐	5559549	September 1996	Hendricks et al.	348/6
☐	5559945	September 1996	Beaudet et al.	395/156
☐	5560011	September 1996	Uyama	395/700
☐	5561649	October 1996	Lee et al.	
☐	5561718	October 1996	Trew et al.	382/118
☐	5561796	October 1996	Sakamoto et al.	395/600
☐	5566274	October 1996	Ishida et al.	395/61
☐	5568272	October 1996	Levine	386/48
☐	5572246	November 1996	Ellis et al.	348/2
☐	5574845	November 1996	Benson et al.	395/118
☐	5576950	November 1996	Tonomura et al.	364/514A
☐	5579471	November 1996	Barber et al.	395/326
☐	5581658	December 1996	O'Hagan et al.	395/22
☐	5581665	December 1996	Sugiura et al.	395/86
	5581800	December 1996	Fardeau et al.	455/2

☐				
☐	5583560	December 1996	Florin et al.	348/7
☐	5583966	December 1996	Nakajima	395/51
☐	5584050	December 1996	Lyons	455/67.1
☐	5585858	December 1996	Harper et al.	348/485
☐	5585865	December 1996	Amano et al.	348/731
☐	5586024	December 1996	Shaibani	395/761
☐	5586218	December 1996	Allen	395/10
☐	5586317	December 1996	Smith	395/683
☐	5588074	December 1996	Sugiyama	382/209
☐	5592560	January 1997	Deaton et al.	382/100
☐	5594661	January 1997	Bruner et al.	364/514R
☐	5594911	January 1997	Cruz et al.	395/800
☐	5600573	February 1997	Hendricks et al.	364/514R
☐	5600775	February 1997	King et al.	
☐	5604542	February 1997	Dedrick	348/552
☐	5606655	February 1997	Arman et al.	
☐	5613032	March 1997	Cruz et al.	386/69
☐	5614940	March 1997	Cobbley et al.	348/7
☐	5617565	April 1997	Augenbraun et al.	395/604
☐	5619247	April 1997	Russo	348/3
☐	5621454	April 1997	Ellis et al.	348/2
☐	5621484	April 1997	Cotty	348/734
☐	5621579	April 1997	Yuen	386/121
☐	5621662	April 1997	Humphries et al.	700/276
☐	5621903	April 1997	Luciw et al.	395/326
☐	5625715	April 1997	Trew et al.	382/236
☐	5625783	April 1997	Ezekiel et al.	395/352
☐	5627564	May 1997	Yang	345/146
☐	5627915	May 1997	Rosser et al.	382/219
☐	5630159	May 1997	Zancho	395/800
☐	5632007	May 1997	Freeman	395/75
☐	5633484	May 1997	Zancho et al.	235/380
☐	5634849	June 1997	Abecassis	463/30
☐	5635986	June 1997	Kim	348/416
☐	5636346	June 1997	Saxe	395/201
☐	5644686	July 1997	Hekmatpour	395/50
	5644735	July 1997	Luciw et al.	395/338

☐				
☐	5649061	July 1997	Smyth	395/20
☐	5654771	August 1997	Tekalp et al.	348/699
☐	5655117	August 1997	Goldberg et al.	
☐	5657397	August 1997	Bokser	
☐	5659732	August 1997	Kirsch	395/605
☐	5664046	September 1997	Abecassis	386/125
☐	5671411	September 1997	Watts et al.	395/615
☐	5682196	October 1997	Freeman	348/13
☐	5682437	October 1997	Okino et al.	382/100
☐	5692214	November 1997	Levine	395/833
☐	5696964	December 1997	Cox et al.	395/605
☐	5701369	December 1997	Moon et al.	382/249
☐	5710601	January 1998	Marshall et al.	348/564
☐	5710833	January 1998	Moghaddam et al.	382/228
☐	5710884	January 1998	Dedrick	395/200.47
☐	5717814	February 1998	Abecassis	386/46
☐	5717923	February 1998	Dedrick	395/613
☐	5724091	March 1998	Freeman et al.	348/13
☐	5724424	March 1998	Gifford	380/24
☐	5724472	March 1998	Abecassis	386/52
☐	5724521	March 1998	Dedrick	395/226
☐	5724567	March 1998	Rose et al.	395/602
☐	5726688	March 1998	Siefert et al.	345/352
☐	5726898	March 1998	Jacobs	364/479.01
☐	5729741	March 1998	Liaguno et al.	395/615
☐	5734786	March 1998	Mankovitz	386/96
☐	5734853	March 1998	Hendricks et al.	345/352
☐	5734893	March 1998	Li et al.	395/615
☐	5745126	April 1998	Jain et al.	345/952
☐	5745640	April 1998	Ishii et al.	386/83
☐	5745710	April 1998	Clanton, III et al.	395/327
☐	5748716	May 1998	Levine	379/102.03
☐	5748780	May 1998	Stolfo	382/232
☐	5748805	May 1998	Withgott et al.	382/306
☐	5751282	May 1998	Girard et al.	345/327
☐	5751286	May 1998	Barber et al.	345/348
	5754938	May 1998	Herz et al.	455/4.2

☐				
☐	5754939	May 1998	Herz et al.	455/4.2
☐	5758257	May 1998	Herz et al.	455/2
☐	5758259	May 1998	Lawler	455/5.1
☐	5761655	June 1998	Hoffman	707/4
☐	5764809	June 1998	Nomami et al.	382/284
☐	5767893	June 1998	Chen et al.	348/7
☐	5767913	June 1998	Kassatly	348/403
☐	5767922	June 1998	Zabih et al.	348/700
☐	5768421	June 1998	Gaffin et al.	382/209
☐	5768426	June 1998	Rhoads	382/232
☐	5768437	June 1998	Monro et al.	382/249
☐	5774170	June 1998	Hite et al.	348/9
☐	5774664	June 1998	Hidary et al.	395/200.48
☐	5778181	July 1998	Hidary et al.	395/200.48
☐	5784616	July 1998	Horvitz	395/672
☐	5787201	July 1998	Nelson et al.	382/224
☐	5793888	August 1998	Delanoy	382/219
☐	5794249	August 1998	Orsolini et al.	707/104
☐	5795228	August 1998	Trumbull et al.	463/42
☐	5797001	August 1998	Augenbraun et al.	395/609
☐	5797395	August 1998	Martin	128/673
☐	5798785	August 1998	Hendricks et al.	
☐	5799109	August 1998	Chung et al.	382/243
☐	5799292	August 1998	Hekmatpour	706/11
☐	5801747	September 1998	Bedard	348/1
☐	5801750	September 1998	Kurihara	348/7
☐	5801753	September 1998	Eyer et al.	348/13
☐	5802243	September 1998	Yao et al.	386/78
☐	5802361	September 1998	Wang et al.	395/600
☐	5805763	September 1998	Lawler et al.	386/83
☐	5814798	September 1998	Zancho	235/380
☐	5818510	October 1998	Cobbley et al.	348/7
☐	5819284	October 1998	Farber et al.	707/104
☐	5819288	October 1998	De Bonet	707/104
☐	5828402	October 1998	Collings	348/5.5
☐	5828809	October 1998	Chang et al.	386/69
	RE35954	November 1998	Levine	380/10

☐			
☐ 5832212	November 1998	Cragun et al.	395/188.01
☐ 5838314	November 1998	Neel et al.	345/327
☐ 5839438	November 1998	Graettinger et al.	128/630
☐ 5845288	December 1998	Syeda-Mahmood	707/102
☐ 5848158	December 1998	Saito et al.	380/21
☐ 5848396	December 1998	Gerace	705/10
☐ 5850218	December 1998	LaJoie et al.	345/327
☐ 5850352	December 1998	Moezzi et al.	364/514A
☐ 5850470	December 1998	Kung et al.	382/157
☐ 5852823	December 1998	De Bonet	707/6
☐ 5854856	December 1998	Moura et al.	382/232
☐ 5854923	December 1998	Dockter et al.	395/605
☐ 5857036	January 1999	Barnsley et al.	382/248
☐ 5857181	January 1999	Augenbraun et al.	707/2
☐ 5861881	January 1999	Freeman et al.	345/302
☐ 5861906	January 1999	Dunn et al.	348/7
☐ 5862260	January 1999	Rhoads	382/232
☐ 5862262	January 1999	Jacobs et al.	382/249
☐ 5862264	January 1999	Ishikawa et al.	382/249
☐ 5867118	February 1999	McCoy et al.	342/90
☐ 5867205	February 1999	Harrison	348/1
☐ 5867221	February 1999	Pullen et al.	348/417
☐ 5867226	February 1999	Wehmeyer et al.	348/563
☐ 5867579	February 1999	Saito	380/25
☐ 5867603	February 1999	Barnsley et al.	382/249
☐ 5870151	February 1999	Korber	348/553
☐ 5870493	February 1999	Vogl et al.	382/195
☐ 5870502	February 1999	Bonneau et al.	382/249
☐ 5870724	February 1999	Lawlor et al.	705/42
☐ 5870754	February 1999	Dimitrova et al.	707/104
☐ 5873080	February 1999	Coden et al.	707/3
☐ 5875265	February 1999	Kasao	382/229
☐ 5875446	February 1999	Brown et al.	707/3
☐ 5877759	March 1999	Bauer	345/339
☐ 5878135	March 1999	Blatter et al.	380/10
☐ 5880768	March 1999	Lemmons et al.	348/1
5881231	March 1999	Takagi et al.	395/200.42

☐				
☐	5884282	March 1999	Robinson	705/27
☐	5886743	March 1999	Oh et al.	348/407
☐	5887243	March 1999	Harvey et al.	455/3.1
☐	5889506	March 1999	Lopresti et al.	345/158
☐	5889868	March 1999	Moskowitz et al.	380/51
☐	5889919	March 1999	Inoue et al.	386/94
☐	5890152	March 1999	Rapaport et al.	707/6
☐	5892536	April 1999	Logan et al.	348/13
☐	5893095	April 1999	Jain et al.	707/6
☐	5893110	April 1999	Weber et al.	707/104
☐	5896176	April 1999	Das et al.	348/416
☐	5898434	April 1999	Small et al.	345/348
☐	5899975	May 1999	Nielsen	704/260
☐	5899999	May 1999	De Bonet	707/104
☐	5901244	May 1999	Souma et al.	382/190
☐	5901246	May 1999	Hoffberg et al.	382/209
☐	5901255	May 1999	Yagasaki	382/310
☐	5903261	May 1999	Walsh et al.	345/302
☐	5903678	May 1999	Ibenthal	382/249
☐	5903892	May 1999	Hoffert et al.	707/10
☐	5905800	May 1999	Moskowitz et al.	380/28
☐	5907446	May 1999	Ishii et al.	360/72.2
☐	5907836	May 1999	Sumita et al.	707/2
☐	5909183	June 1999	Borgstahl et al.	340/825.22
☐	5910987	June 1999	Ginter et al.	380/24
☐	5910999	June 1999	Mukohzaka	382/124
☐	5911035	June 1999	Tsao	395/21
☐	5912696	June 1999	Buehl	348/5.5
☐	5912989	June 1999	Watanabe	382/228
☐	5914712	June 1999	Sartain et al.	345/327
☐	5915034	June 1999	Nakajima et al.	382/124
☐	5915038	June 1999	Abdel-Mottaleb et al.	382/209
☐	5915068	June 1999	Levine	386/83
☐	5917912	June 1999	Ginter et al.	380/24
☐	5917958	June 1999	Nunally et al.	382/276
☐	5918014	June 1999	Robinson	395/200.49
	5918223	June 1999	Blum et al.	707/1

☐				
☐	5920856	July 1999	Syeda-Mahmood	707/3
☐	5920861	July 1999	Hall et al.	707/9
☐	5923376	July 1999	Pullen et al.	348/417
☐	5923780	July 1999	Morfill et al.	382/195
☐	5924053	July 1999	Horowitz et al.	702/90
☐	5924486	July 1999	Ehlers et al.	165/238
☐	5933811	August 1999	Angles et al.	705/14
☐	5933823	August 1999	Cullen et al.	707/6
☐	5938757	August 1999	Bertsch	712/36
☐	5945988	August 1999	Williams et al.	345/327
☐	5963645	October 1999	Kigawa et al.	380/10
☐	5963670	October 1999	Lipson et al.	382/224
☐	5966533	October 1999	Moody	395/702
☐	5966696	October 1999	Giraud	705/14
☐	5969765	October 1999	Boon	348/409
☐	5970173	October 1999	Lee et al.	382/236
☐	5970486	October 1999	Yoshida et al.	707/4
☐	5973683	October 1999	Cragun et al.	345/327
☐	5974398	October 1999	Hanson et al.	705/14
☐	5974412	October 1999	Hazlehurst et al.	707/3
☐	5977964	November 1999	Williams et al.	345/327
☐	5978766	November 1999	Luciw	705/1
☐	5983176	November 1999	Hoffert et al.	704/233
☐	5990927	November 1999	Hendricks et al.	348/6
☐	5991735	November 1999	Gerace	705/10
☐	5991832	November 1999	Sato et al.	710/33
☐	5995094	November 1999	Eggen et al.	345/328
☐	5995673	November 1999	Ibenthal et al.	382/249
☐	5995978	November 1999	Cullen et al.	707/104
☐	5995997	November 1999	Horvitz	709/102
☐	5999216	December 1999	Kaars	348/385
☐	5999997	December 1999	Pipes	710/303
☐	6005561	December 1999	Hawkins et al.	345/327
☐	6005597	December 1999	Barrett et al.	348/1
☐	6006218	December 1999	Breese et al.	707/3
☐	6009386	December 1999	Cruickshank et al.	704/207
	6009452	December 1999	Horvitz	709/102

☐				
☐	6011895	January 2000	Abecassis	386/69
☐	6012046	January 2000	Lupien et al.	705/37
☐	6012051	January 2000	Sammon, Jr. et al.	706/52
☐	6012052	January 2000	Altschuler et al.	707/2
☐	6014184	January 2000	Knee et al.	348/731
☐	6014634	January 2000	Scroggie et al.	705/14
☐	6014638	January 2000	Burge et al.	705/27
☐	6018372	January 2000	Etheredge	348/569
☐	6018738	January 2000	Breese et al.	707/100
☐	6021403	February 2000	Horvitz et al.	706/45
☐	6025837	February 2000	Matthews et al.	345/327
☐	6029092	February 2000	Stein	700/11
☐	6111883	August 2000	Terada et al.	
☐	6122403	September 2000	Rhoads	
☐	6249817	June 2001	Nakabayashi et al.	
☐	6519646	February 2003	Gupta et al.	709/229
☐	6526041	February 2003	Shaffer et al.	370/352
☐	6526581	February 2003	Edson	725/74
☐	6542925	April 2003	Brown et al.	709/208

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
WO 97/06613	February 1997	WO	
WO 99/14947	August 1998	WO	
WO 98/43380	October 1998	WO	
WO 98/47249	October 1998	WO	
WO 99/30493	June 1999	WO	
WO 99/39466	August 1999	WO	
WO 99/43111	August 1999	WO	

OTHER PUBLICATIONS

Ando et al., US 2003/0059208 A1, Mar. 27, 2003, Digital Video Recording System and its Recording Medium.

ART-UNIT: 2121

PRIMARY-EXAMINER: Patel; Ramesh

ATTY-AGENT-FIRM: Milde & Hoffberg LLP

ABSTRACT:

An intelligent media device, comprising a packet data communications interface; a media communication interface for receiving audio and/or video data; a digital memory for persistently storing received audio and/or video data; and an intelligent server for generating a virtual interface for controlling the media communication interface and the digital memory through said packet data communications interface. The intelligent server may be adaptive. A variety of devices may be interfaced through the packet data communications interface, including telephony, imaging, videoconferencing, security, alarm, environmental control, vehicular, illumination system, domestic appliance; fluid and handling systems, as well as consumer electronic devices. A digital rights manager for enforcing a set of externally supplied restrictions associated with the received audio and/or video data may be incorporated, with a cryptographic processor for selectively cryptoprocessing audio and/or video data in dependence on said rights manager being provided to limit access to the audio and/or video data content.

23 Claims, 32 Drawing figures

☐ [Generate Collection] [Print]

L2: Entry 3 of 3   File: USPT   Oct 19, 1999

US-PAT-NO: 5970490
DOCUMENT-IDENTIFIER: US 5970490 A

TITLE: Integration platform for heterogeneous databases

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morgenstern; Matthew	Ithaca	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Xerox Corporation	Stamford	CT			02

APPL-NO: 08/ 963853   [PALM]
DATE FILED: November 4, 1997

PARENT-CASE:
This application claims priority of Provisional U.S Pat. Application No.
60/030,215, filed Nov. 5, 1996 the subject matter of this application is fully
incorporated herein.

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 707/10; 707/103, 707/104
US-CL-CURRENT: 707/10; 707/104.1

FIELD-OF-SEARCH: 707/10, 707/103, 707/104

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected] [Search ALL] [Clear]

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5560005	September 1996	Hoover et al.	707/10
☐	5627979	May 1997	Chang et al.	345/335
☐	5724575	March 1998	Hoover et al.	707/10
☐	5758351	May 1998	Gibson et al.	707/104

☐	<u>5761684</u>	June 1998	Gibson	707/515
☐	<u>5809507</u>	September 1998	Cavanaugh, III	707/103
☐	<u>5815415</u>	September 1998	Bentley et al.	364/578

OTHER PUBLICATIONS

Common Object Request Broker Architecture,
http://www.sei.cmu.edu/activities/str/descriptions/corba.sub.- body.html, Jan. 10,
1997.
Object Request Broker, http://www.sei.cmu.edu/activities/str/descriptions/orb.sub.-
body.html. Jun. 25, 1997.

ABSTRACT:

A method for processing heterogeneous data including high level specifications to
drive program generation of information mediators, inclusion of structured file
formats (also referred to as data interface languages) in a uniform manner with
heterogeneous database schema, development of a uniform data description language
across a wide range of data schemas and structured formats, and use of annotations
to separate out from such specifications the heterogeneity and differences that
heretofore have led to costly special purpose interfaces with emphasis on self-
description of information mediators and other software modules.

18 Claims, 5 Drawing figures

L3: Entry 2 of 3   File: USPT   Jul 8, 2003

DOCUMENT-IDENTIFIER: US 6591272 B1
TITLE: Method and apparatus to make and transmit objects from a database on a
server computer to a client computer

Detailed Description Text (6):
Skeleton code templates 22, generalized versions of the final objects to be
produced, are also supplied to the software 21. Code 26(a-z) for the class of the
particular objects desired by the user, e.g. Java/C++, XML, sed or shell scripts,
IDL etc. is then generated. The code 26 is used to implement the standardized view
of the table 24.

Detailed Description Text (16):
This document provides, for reference purposes, a detailed definition of the
OBJECTSERVERFACTORY product (OSF) and the PRO-OBJECTS, support classes, XML, and
scripts generated by OSF.

Detailed Description Text (198):
As an example of this language-independent code generation capability of OSF,
observe in the Template Use Summary table above, UNIX sedlanguage translation files
are generated to apply a single foreign language translation to multiple resource
bundle class files..Also, several sets of HTML files are also created from
templates as well for use in ultra-thin clients. For EJBs, XML deployment
descriptors and are also generated.

Detailed Description Text (421):
It is very important to get these names correct, as they will be used in literally
dozens of places: in the IDL, build scripts, XML files, server and client software.
As a result, OSF has sophisticated algorithms to convert table names to base object
names and to create attribute names from column names. However, the algorithms
require quick review by the system designer to ensure that they are absolutely
correct. Consider FIG. 14 in the drawings section.

Detailed Description Text (458):
This is the directory where the various .java, .html, .cpp, .xml, .sed, .cmd, .sh,
and other input templates are to be found. See the templates directory on the CD-
ROM filed herewith.

L5: Entry 1 of 2   File: USPT   Jul 8, 2003

DOCUMENT-IDENTIFIER: US 6591272 B1
TITLE: Method and apparatus to make and transmit objects from a database on a
server computer to a client computer

Detailed Description Paragraph Table (80):
public void appenAttribute (String_attribute) { // if a delimiter is encountered,
add an ajacent delimiter which // will be removed by the ORB Stream parser on the
receiving end // null checks first if (_attribute == null) { append
(NULLATTRIBUTE) ; return; } if (_attribute.length ( ) == 0) { append
(NULLATTRIBUTE) ; return; } // scan for delims, if found replace delimiter
_attribute.replace (STREAMDELIMITER, DELIMITERINSTREAM) ; append (_attribute) ; }

Detailed Description Paragraph Table (107):
public string getParameter(String _searchargument) throws IllegalArgumentException
{ String parameter = (string) table.get(_searchargument); if (parameter == null)
{ displayErrorMessage (_searchargument); throw new IllegalArgumentException("Not
found in registry: " + _searchargument); } return parameter; } public String
getParameterAsString (String _searchargument) throws IllegalArgumentException
{ return getParameter(_searchargument); } public int getParameterAsInt (String
_searchargument) throws IllegalArgumentException { String parameter = (String)
table.get(_searchargument); if (parameter == null) { displayErrorMessage
(_searchargument) throw new IllegalArgumentException("Not found in registry: " +
_searchargument); } int parsedparameter = 0; try { parsedparameter =
Integer.parseInt(parameter); } catch (NumberFormatException nfe) { throw new
IllegalArgumentException("Registry arg format error, not an int-" + parameter + ",
s-" + _searchargument); } return parsedparameter; } public double
getParameterAsDouble (String _searchargument) throws IllegalArgumentException
{ String parameter = (String) table.get(_searchargument); if (parameter == null)
{ displayErrorMessage (_searchargument); throw new IllegalArgumentException("Not
found in registry: " + _searchargument); } double parsedparameter = 0.0; try
{ parsedparameter = Double.valueOf(parameter).doubleValue( ); } catch
(NumberFormatException nfe) { String message = "Registry arg format error, not a
double-" + parameter + ", s-" + searchargument; throw new IllegalArgumentException
(message); } return parsedparameter; } public boolean getParameterAsBoolean(String
_searchargument) throws IllegalArgumentException { String parameter = (string)
table.get(_searchargument); if (parameter == null) { displayErrorMessage
(_searchargument); throw new IllegalArgumentException("Not found in registry: " +
_searchargument); } if (parameter.compareTo(TRUE) == 0) { return true; } return
false; } private void displayErrorMessage (String _searchargument) { // build
message String message = this.getClass( ).getName( ) + "-E-NotInRegistry, paramater
with internal representation-" + _searchargument + "not found in Registry"; // log
message using sysman ref if available if (sysman_ != null) { sysman_.logMessage
(message); } else { System.out.println(message); } } }

Detailed Description Paragraph Table (111):
Target in Skeleton Function and Operation by Template file OSFGenerate ##Package##
-> package target (0) ##TableObjectName## -> normalised table name (1)
##TABLENAME## -> insert table name in UPPER CASE (2) ##COLUMNNAMES## -> insert all
column names in UPPER CASE (3) ##KEYFIELDSAND- -> array of ints defining which cols
are SORTORDER keys (4) ##tableobjectname## -> all lower case normalised table name

(5) ##ObjectName## -> upper and lower case normalised or specified object name (6) ##objectname## -> lower case normalised or specified object name (7) ##BaseTableObjects## -> enumerate all base table objects (8) ##inheritanceblock## -> recursively invoke parseSkeletonRecord() until ##endinheritanceblock## is encountered in the input template stream (9) ##index## -> insert an index counter, scoped within a given ##codeblock## (10) ##AttributeName## -> attribute name as a java-style class- - first byte upper case (11) ##attributeName## -> attribute name as a java-style method-- first byte lower case (12) ##ATTRIBUTENAME## -> UPPER CASE attribute name (13) ##attributeblock## -> recursively invoke parseSkeletonRecord() until ##endattributeblock## is encountered in the input template stream (14) ##attributeonlyblock## -> same as an ##attributeblock## but with no key fields (15) ##allkeyattributeblock# -> same as an ##attributeblock## but # with only key fields (16) ##keyFields## -> insert key fields as java-style method-- first byte lower case (17) ##MAXKEYCOUNT## -> insert nonnegative numeric integer constant of all object keys (18) ##ATTRIBUTECOUNT## -> insert nnic of count of attributes of object, including keys (19) ##parentKeyFields## -> insert key fields of top-level table object ONLY-- first byte lower case (20) ##attributesNoKeys## -> insert attribute names only, no primary or secondary keyfields (21) ##attributeNamesKeysQua -> all attributes, but at the end of a lfied## key field append keysuffix_ (22) ##keymap## -> insert metadata about key fields of underlying base tables (23) ##OBJECTNAME## -> UPPERCASE normalised or specified object name (24) ##counter+init## -> special tag to initialise a special internal counter. No output. (25) ##counter## -> insert the current value of the above counter, then increment (26) ##registryentrycount## -> insert the count of registry entries written (27) ##allcolumnblock## -> recursively invoke parseSkeletonRecord() until ##endcolumnblock## is encountered in the input template stream (28) ##COLUMNNAME## -> recursively insert a singular column name in UPPER CASE (29) ##TABLE## -> recursively insert a singular table name in UPPER CASE (30) ##entrycount++## -> increment registry entry count-- no output (31) ##allattributeblock## -> recursively invoke parseSkeletonRecord() until ##endcolumnblock## is encountered in the input template stream (32) ##DEFAULTMIN## -> based on datatype and attribute length, insert a reasonable default minimum value (33) ##DEFAULTMAX## -> based on datatype and attribute length, insert a reasonable default minimum value (34) ##VALIDATIONTYPE## -> based on datatype insert the validation type as defined in the OSFRulesObject base class (35) ##fieldlength## -> insert the maximum field length (36) ##picklistcandidates## -> insert picklist candidates from table scan or default string (37) ##iso639language## -> insert the current two byte iso639 language string (38) ##LANGUAGE## -> insert the current language descriptor (39) ##AttributeNameExpanded -> add a space before the 2nd through n capitals in an attribute name and then insert (40) ##language## -> insert the current language descriptor, in lower case (41) ##picklistvalues## -> insert all picklist values (multiple lines) or if no picklist exists for this column, suppress output of the record (42) ##picklistvalue## -> insert a unique picklist value guraranteed to be unique (43) ##picklistvalues## -> insert all unique picklist values (multiple lines) or if no picklist exists for this column, suppress output of the record (44) ##databaseblock## -> recursively invoke parseSkeletonRecord() until ##enddatabaseblock## is encountered in the input template stream, setting currentdatabase_ on each interation for each instance on the OSFDatabase list (45) ##DBLOGICALNAME## -> insert in upper case the intenral logical name of the currentdatabase_ (46) ##DBOWNER## -> insert in upper case the ownername of the currentdatabase_ and continue with further replacements (47) ##DBPASSWORD## -> insert in the case entered the password of the owner in the currentdatabase_ object and continue on with further replacements (48) ##DBTYPENAME## -> insert in upper case the jdbtools type name of the currentdatabase_, carry on with further replacements (49) ##DBSERVER## -> insert in the case entered the hostname or IP address in the currentdatabase_, carry on with further replacements (50) ##DBPORT## -> insert IP connect port in the currentdatabase_ object, carry on with further replacements (51) ##DBINSTANCE## -> insert in the case entered the instance name or SID in the currentdatabase_ object, carry on with further replacements (52) ##DBOWNER## -> insert in the case entered by the user the owner / user name in the

currentdatabase_ object, carry on with further replacements (53) ##MINKEYCOUNT## -> insert count of keys for a partially qualified read = key count of top level parent (54) ##hasparentconstraint## -> table is part of a relation / has a parent or owning table (55) ##testvalues## -> based upon current object context, insert a list of test attribute values (56) */ ##attributename## -> attribute name as an automatic declaration (57) ##attributenamekeysqual -> all attributes, lower case, at the ified## end of a key field append a lower case keysuffix_ (58) ##javadatatype## -> insert an appropriate Java data type depending on the normalised internal datatype (59) ##initializer## -> insert an appropriate initialiser depending on the normalised internal datatype (60) ##JavaPrimitiveObject## -> insert an name suitable for use in conversion methods (61) ##INTERNALDATA- -> insert the internal datatypes based TYPES## on the current _table (62)

<u>Previous Doc</u>   <u>Next Doc</u>   <u>Go to Doc#</u>

DOCUMENT-IDENTIFIER: US 6591272 B1
TITLE: Method and apparatus to make and transmit objects from a database on a
server computer to a client computer

Drawing Description Text (10):
FIG. 9 is a screen shot of a Database Connect Panel—DB Login.

Detailed Description Text (94):
A comprehensive exception handling scheme handles all server-side exceptions,
standardizes and normalizes them then transmits the exceptions via CORBA. When
received at the client end or requesting server-side middleware,
PersistentobjectEvent.COMPONENTEXCEPTION events are fired to all registered
listeners in the PRO-OBJECT with all indicative data about the exception in a
format presentable to the end-user.

Detailed Description Text (118):
Shared Activation Mode: Shared activation mode can be used when registering a CORBA
object server implementation since shared activation mode saves memory and
nominalizes ORB overhead. Since all object servers, regardless of architecture,
start a thread each time a database has to be accessed, one user will not affect
another in the server in shared activation mode. Per-client activation mode can
also be used if lots of server resources are available and the absolute best
performance is desired for the client workstations/end users. We recommend this
option and it is the default used in the script that registers CORBA object servers
with the ORB.

Detailed Description Text (135):
Then only the attributes that are to be changed in the persistent relational object
are added to the OSFORBStream. In addition to the attribute ID and the new
attribute value, the old attribute value is added to the OSFORBStream as well.
Given that PRO-OBJECTS can take the form of JavaBean components, it makes sense to
handle the persistent relational update in the same manner as the update of a
JavaBean bound property (in fact, that'is precisely what occurs: the attribute
property is changed and then the remote RDB is synchronized, with the old, previous
value of the attribute being sent to the server in the OSFORBStream). The
OSFORBStream is then transmitted to the server implementation. A remote server
exception will restore any changes made to bound properties and fire a
PersistentObjectEvent.COMPONENTEXCEPTION to all registered event listeners.

Detailed Description Text (138):
These steps are taken if the attribute value as believed current by the client is
not matched to the column value in the database: A rollback( ) is issued against
the current Connection object in the server implementation to roll out any
partially completed updates and to free all locks an
OSFDBValueUpdateCompareException is thrown over CORBA to the client PRO-OBJECT a
COMPONENTEXCEPTION PersistentObjectEvent is thrown in the PRO-OBJECT to all
interested and registered event listeners the end user notified that he or she was
dealing with stale data

Detailed Description Text (234):

The solution is simple. Create another WWW server, install the servlet .class files, register the servlets and configure the servlet.properties and other properties needed by the web server and test.

Detailed Description Text (253):
Many applications built today require a user to terminate and restart the application when a network, hardware or software failure occurs. Also users may have to logoff and login/reauthenticate when a network, hardware or software problem occurs. We consider both of these methods of human, end-user recovery to be not at all acceptable.

Detailed Description Text (254):
Each ObjectServerFactory architecture solution offers transparent recovery in the event of network, hardware or server software component failure. In addition, server load can be easily balanced between servers within a given login session. How this capability is enabled through solid design is and intelligent design patterns are outlined in the following sections.

Detailed Description Text (306):
In addition to client-end and server-side persistent, relational object classes, OSF generates: OMG Interface Definition Language which exposes remote server methods to PRO-OBJECT based clients Build scripts for all generated code, including invocation of the IDL compiler and compiling IDL output A server registration script to register the CORBA server implementations with the Object Request Broker Master sedlanguage translation scripts to propagate translations to the various java.util.ListResourceBundle-derived objects HTML template files for data entry, inquiry and tabular display A Registry.java file containing all runtime parameters for a given installation, along with accessor classes and the object map Test programs for standalone testing of PRO-OBJECT component Other assorted utility and convenience scripts including a buildall script which builds everything in the proper sequence, interleaving builds into separate processes when possible

Detailed Description Text (402):
The Database Connect window contains three property pages used to enter the parameters needed to connect to the various relational databases: DB Login, Advanced Connect and Drivers/URL.

Detailed Description Text (403):
(39) DB Login Panel

Detailed Description Text (705):
This section is reserved for important classes not built by OSF but used to support the various runtime environments. Examples of these classes are: The Registry class contains all of the parameters which are unique to a given customer application. Database connect parameters and driver information, default database server IP addresses, initial object-> base table and column mapping parameters and basic rules edit parameters are contained in the Registry class. Also, a few parameters that were initially manifest constants were moved out of the code into the Registry so the values could be changed without recompiling the application modules. The OSFControlServlet class is the servlet that invokes the OSFSecurity object to validate logins, perform runtime authorization and to switch the browser context from servlet to servlet. OSFPickListBuildThread is the class that scans each database table to construct default edit rules and to build lists of possible pick list candidates.

Previous Doc   Next Doc   Go to Doc#

☐ Generate Collection   Print

L10: Entry 2 of 2   File: USPT   Jul 8, 2003

DOCUMENT-IDENTIFIER: US 6591272 B1
TITLE: Method and apparatus to make and transmit objects from a database on a
server computer to a client computer

Detailed Description Text (25):
OSF Support Classes are then discussed. Examples of these support classes include
pick list generation, distributed edit/business rules, and real-time performance
measurement and analysis. The Registry class is central to runtime system
configuration and it is described in this section.

Detailed Description Text (255):
(23) Ultrathin Client Architecture Rule #1 in the distributed component business is
to "Never let the users fall asleep in front of their workstations".

☐ ▓▓▓▓ Generate Collection ▓▓▓▓ │Print│

L10: Entry 2 of 2   File: USPT   Jul 8, 2003

. DOCUMENT--IDENTIFIER: US 6591272 B1
TITLE: Method and apparatus to make and transmit objects from a database on a
server computer to a client computer

Detailed Description Text (25):
OSF Support Classes are then discussed. Examples of these support classes include
pick list generation, distributed edit/business rules, and real-time performance
measurement and analysis. The Registry class is central to runtime system
configuration and it is described in this section.

Detailed Description Text (255):
(23) Ultrathin Client Architecture Rule #1 in the distributed component business is
to "Never let the users fall asleep in front of their workstations".